



TESTED TO  
VDI 6022

Conforms to VDI 6022

## FVZ-K30

### FIRE PROTECTION VALVES FOR SUPPLY AND EXTRACT AIR

Circular fire protection valve for shutting off fire compartments in supply air and extract air systems. They also satisfy ventilation requirements

- Nominal sizes Ø 100, 125, 160, 200 mm
- For installation in independently fire-resistant suspended ceilings
- Low differential pressure and sound power level
- Integration into the central BMS with TROXNETCOM

#### Optional equipment and accessories

- Electric limit switch
- Extension piece

## General Information



#### Application

- TROX fire protection valves type FVZ-K30 with general building inspection licence / general type approval Z-41.3-319 for shutting off an air duct between two fire compartments by automated closing in case of fire
- To prevent fire spread and smoke transmission into adjacent fire compartments

#### Classification

- Fire resistance class K30U according to DIN 4102-6

#### Variants

- With fusible link
- With fusible link and limit switch

#### Nominal sizes

- Ø100, 125, 160, 200 mm
- L: 150 mm (with limit switch approx. 300 mm)

#### Attachments

- Limit switch indicates the valve position

#### Accessories

- Extension piece

#### Special features

- general building inspection licence / general type approval Z-41.3.-319
- Leakage air flow with closed valve cone according to EN 1751, class 2
- Approved for installation in independently fire-resistant suspended ceilings
- Low pressure losses and sound power level
- Any airflow direction

#### Construction features

- Adjustment device for large or small airflow volumes
- Valve cone with bayonet fixing
- Integration into the central BMS with TROXNETCOM

#### Materials and surfaces

- Installation subframe, spigot and valve disc made of sheet steel
- Installation subframe and spigot with stove-enamelled finish, black
- Exposed surface of valve disc is powder-coated, RAL 9010
- Valve cone made of special insulation material
- Seal made of polyurethane
- Attachment parts made of galvanised steel and special insulating material

#### Nominal sizes

#### Standards and guidelines

#### Maintenance

The owner of the ventilation system has to initiate the function check of the shut-off device at least every six months, taking into account the basic maintenance measures according to DIN EN 13306 in conjunction with DIN 31051. If two consecutive inspections at intervals of six months do not reveal any functional defects, the shut-off device need only be inspected at annual intervals.

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## TECHNICAL INFORMATION

In the event of a fire, fire dampers shut automatically to prevent the propagation of fire and smoke through ductwork to adjacent designated fire compartments. In the event of a fire, the damper is triggered at 72 °C or at 95 °C (use in warm air ventilation systems) by a fusible link. The release mechanism is accessible and can be tested from the outside. One or two limit switches (optional attachment) can be used to indicate the damper blade position.

#### Specification text

Type FVZ-K30 fire protection valve for shutting off air ducts between 2 fire compartments. For use in supply air and extract air systems, with two-stage adjustment device for changing the air volume flow rate. Ready-for-operation unit, which includes a fire-resistant valve cone and a release mechanism. Tested for fire resistance properties according to DIN 4102-6, with general building inspection licence / general type approval. Suitable for mortar-based installation in independently fire-resistant suspended ceilings. Casing length 150 mm or 300 mm (with extension piece attached). For direct connection to air ducts made of non-combustible materials. Thermal release at 72 °C release temperature.

#### Special features

- general building inspection licence / general type approval Z-41.3-319 for use in Germany
- Use in other countries must be checked by the customer with the local authorities.
- Fire resistance K30U
- Hygienic requirement conform to VDI 6022 sheet 1, VDI 3803, DIN 1946 part 4 and EN 16798-3
- Leakage air flow with closed valve cone according to EN 1751, class 2
- Low pressure losses and sound power level
- Any airflow direction

#### Materials and surfaces

- Installation subframe, spigot and valve disc made of sheet steel
- Installation subframe and spigot with stove-enamelled finish, black
- Exposed surface of valve disc powder-coated RAL 9010
- Valve cone made from special insulation material
- Seal made of polyurethane
- Attachments made of galvanised steel and special insulation material
- Increased corrosion protection due to powder-coated casing

#### Technical data

- Nominal sizes: Ø100, 125, 160, 200 mm
- Casing length 150 mm (300 mm with extension piece)
- Release temperature: 72 °C
- Operating temperature: 0 to 50 °C
- Volume flow rate range: extract air up to 400 m<sup>3</sup>/h or supply air up to 210 m<sup>3</sup>/h

#### Nominal size

100, 125, 160, 200 mm

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Z04 - Z07

**FVZ-K30** / **160** / **Z05**  
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**1** **2** **3**

1 Type FVZ-K30 Fire protection valve 2 Nominal size [mm] 100, 125, 160, 200 3 Attachments Z00 Standard version Z04 With extension piece Z05 With extension piece and limit switch for indicating CLOSED Z06 With extension piece and limit switch for indicating OPEN Z07 With extension piece and limit switches for indicating CLOSED and OPEN Note: Country of destination: Germany Use in other countries must be checked by the customer with the local authorities.